

## ABSTRACT OF THE DISCLOSURE

An endovascular heat transfer device which can have a smooth exterior surface, or a surface with ridges and grooves. The device can have a plurality of elongated, articulated segments, with each having such a surface. A flexible joint connects adjacent  
5 elongated, articulated segments. The flexible joints can be bellows or flexible tubes. An inner lumen is disposed within the heat transfer segments. The inner lumen is capable of transporting a pressurized working fluid to a distal end of the heat transfer element.